

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	26	("4657804"   "5102724"   "5424115"   "5534339").PN. OR ("5840633").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 08:31
L4	1	l3 and (cuprammonium or cupr\$ammonium or cupra-ammonium or (cupr\$ same ammonium))	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 08:32
L5	0	l3 and (fall-off or falling-off or (fall\$3 near3 off))	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 08:32
L6	1	l3 and (lint)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 08:32
L7	13086	cuprammonium or cupr\$ammonium or cupra-ammonium or (cupr\$ same ammonium)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 08:32
L8	26	l7 and entangle and (water near4 jet)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 08:33
L9	26	(cupr\$ammonium or (cupr\$ same ammonium) or cuprammonium) and entangle and (water near4 jet)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 10:02
L10	0	l8 not L9	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 08:33
L11	6	l9 and fall	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 08:36
L12	7	l9 and fall\$	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 08:36
L13	81319	falling-off or (falling near4 off) or fall-off or (fall near4 off)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 08:40
L14	292	l13 and ammonium and cupr\$	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 08:41
L15	1	l14 and entangle	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 08:40
L16	6367	l13 and (ammonium or cupr\$mmonium)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 08:41
L17	25	16 and entangle	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 08:41

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L18	24	17 not 8	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 08:47
L19	12	falling-off near4 piece	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 08:47
L20	540	(fall near3 off) near4 piece	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 08:48
L21	7	((fall\$ near3 off) near3 piece) and wipe	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 08:49
L22	1190	(fall\$ near3 off) and wipe	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 08:49
L23	62	22 and "20,000"	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 09:30
L24	1050	l7 and (nonwoven or non-woven)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 09:30
L25	104	l24 and wipe	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 09:58
L26	140	l24 and (lint\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 12:23
L27	30	l26 and wipe\$	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 09:58
L28	24	("4987632").URPN.	USPAT	OR	ON	2007/05/08 10:02
L29	0	28 and (cupr\$ammonium or (cupr\$ same ammonium) or cuprammonium) and entangle	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 10:03
L30	0	28 and (cupr\$ammonium or (cupr\$ same ammonium) or cuprammonium)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 10:03
L31	0	28 and (cupr\$mmonium or cupr\$ammonium or (cupr\$ same ammonium) or cuprammonium)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 10:04
L32	14	("3121249"   "3284963"   "3324500"   "3788999"   "4145302"   "4188447"   "4189395"   "4193887"   "4303543"   "4517006").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 10:03
L33	0	32 and (cupr\$mmonium or cupr\$ammonium or (cupr\$ same ammonium) or cuprammonium)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 10:04

## EAST Search History

L34	15	(cupr\$ammonium or (cupr\$ same ammonium) or cuprammonium) and lint-free	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 10:35
L35	0	("6739160").URPN.	USPAT	OR	ON	2007/05/08 10:34
L36	13	("2263787"   "3331221"   "3470928"   "3810810"   "5069735"   "5229181"   "5520022"   "5594970"   "5667612").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 10:34
L37	17	(cupr\$ammonium or (cupr\$ same ammonium) or cuprammonium) and (low near4 lint\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 10:36
L38	11	(US-20050255287-\$ or US-20020081930-\$ or US-20020155281-\$ or US-20030100240-\$).did. or (US-5877098-\$ or US-6013587-\$ or US-6042877-\$ or US-4987632-\$ or US-5641563-\$ or US-5883019-\$ or US-4879170-\$).did.	US-PGPUB; USPAT	OR	ON	2007/05/08 12:13
L39	8	38 and absorption	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 12:26
L40	4	l24 and (non-lint\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 12:24
L41	13	l24 and (lint-free)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 12:24
L42	1	("6579570").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/08 12:28
L43	1	("5972805").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/08 12:28
L45	18	"4,591,513"	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 12:36
S1	1	"20050255287"	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/07 14:55
S2	5940	cellulose and (hydroentangl\$3 or (hydraulically near4 entangl\$3) or entangl\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/28 12:16
S3	3811	S2 and (nonwoven or non-woven or (non adj woven))	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/28 12:16

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S4	1630	S2 and method.ab.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/28 12:13
S5	974	S3 and S4	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/28 12:14
S6	24	S5 and (buffer same plate)	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/28 12:14
S7	2670	cellulose and ((method or process) same (hydroentangl\$3 or (hydraulically near4 entangl\$3) or entangl\$3))	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/28 12:16
S8	1834	S7 and (nonwoven or non-woven or (non adj woven))	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/28 12:16
S9	507	S8 and method.ab.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/28 12:16
S10	717	S8 and (process or method).ab.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/28 12:17
S11	0	S10 and ("total impact energy value")	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/28 12:17
S12	518	cupr\$ same ammonium same rayon	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/07 19:57
S13	1	("6821637").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/07 15:48
S14	1	(cupr\$ammonium or (cupr\$ same ammonium)) same rayon same falling-off	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/07 19:59
S15	1846	(cupr\$ammonium or (cupr\$ same ammonium)) same rayon	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/07 20:16
S16	99	S15 and (water near4 absorption)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/07 20:00
S17	901	falling-off	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 08:39
S18	2	S16 and S17	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/07 20:00

## EAST Search History

S19	13	("2263787"   "3331221"   "3470928"   "3810810"   "5069735"   "5229181"   "5520022"   "5594970"   "5667612"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/07 20:01
S20	7	S17 and S15	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/07 20:02
S21	69	S16 and (nonwoven or non-woven)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/07 20:03
S22	0	S21 and (hydroentangle or hydro-entangle or (hydraulically near4 entangle))	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/07 20:03
S23	0	S16 and (hydroentangle or hydro-entangle or (hydraulically near4 entangle))	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/07 20:04
S24	2	S15 and (hydroentangle or hydro-entangle or (hydraulically near4 entangle))	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/07 20:12
S25	2095	S15 or (copper same ammonium same rayon)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/07 20:05
S26	732	S25 and (nonwoven or non-woven)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/07 20:05
S27	7	S26 and S17	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/07 20:05
S28	2	S25 and (hydroentangle or hydro-entangle or (hydraulically near4 entangle))	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/07 20:12
S29	2	(cupr\$ammonium or (cupr\$ same ammonium)) and (hydroentangle or hydro-entangle or (hydraulically near4 entangle))	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 12:36
S30	2	(cupr\$ammonium or (cupr\$ same ammonium) or cuprammonium) and (hydroentangle or hydro-entangle or (hydraulically near4 entangle))	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/07 20:19
S31	26	(cupr\$ammonium or (cupr\$ same ammonium) or cuprammonium) and entangle and (water near4 jet)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 10:32
S32	5	S31 and (lint or falling-off or (falling near3 off))	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/07 20:20